SERVICE SUPPORT AND BUSINESS APPLICATIONS
LOGISTICS APPLICATION SERVICES

LOGFAS M&T DATABASE CONFIGURATION FOR REPLICATION

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Document change log			
Version	Comments	Date	Author
1.0	Initial version	16 MAR 2017	Robert Simmons
1.1	Support team revision	07 APR 2017	Simon Maunoury
1.2	Final revision	11 APR 2017	Lukasz Pajak

Overview & Requirements

This user guide explains how to configure the LOGFAS database ready for Replication.

Introduction

In an effort to reduce the amount of data being replicated it is important to remove the data that will not be used during the execution phase of an Operation or Exercise.

Database Configuration

To enable best practice for the use of Replication between server database the following five step configuration contained in this doucment is strongly recommended.

The Aim

To reduce the amount of data being replicated and remove any data that will not be required during the execution phase, not withstanding the LOGREP requirements if a single database is used for both the Logistic and M&T communities.

Step 1. Import a Database

1. Importing a database allows you to restore a backup of a previous database, or to use one that was exported from another computer.

2. To Import a database click on the **Import** ⬅ button in the tool bar. The *'Import Database'* window will appear.
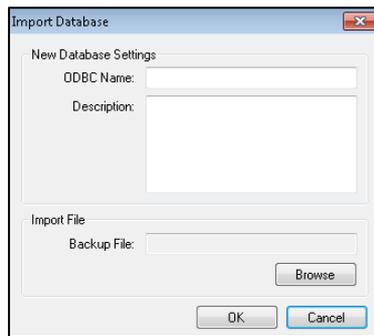

<p align="center">Figure 1</p>

3. In the Import File section, click the **Browse** button. An *'Open'* window will appear allowing to choose the file to import. It must be a valid PostgreSQL file with a ".backup" extension.

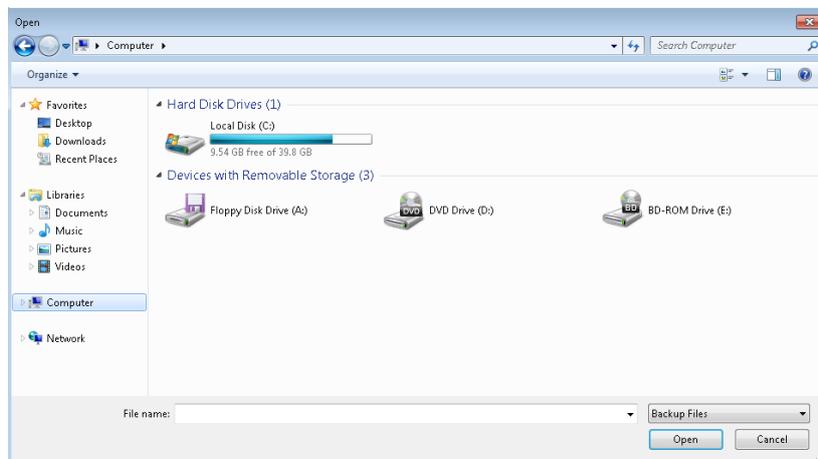

<p align="center">Figure 2</p>

4. Select the ".backup" file and click the **Open** button.

5. The ODBC Name will be inserted automatically, alternatively enter an **ODBC Name** and **Description** for the new database. The **ODBC Name** should begin with "LOGFAS_" but the system will add it automatically if left off. Spaces are not allowed, so underscores should be used to represent a space.

6. The maximum length of the ODBC Name is 24 characters.

7. Click the **OK** button to begin the import. It may takes some time and a progress bar will appear at the bottom of the screen while it's working. When done, the imported database appears in the main list.

8. Double-click on the newly created database name to set it active and ready for use (validated by the green mark ✔ in front of the name).

<div align="center">**Figure 3**</div>

Step 2. Initialise the FEP

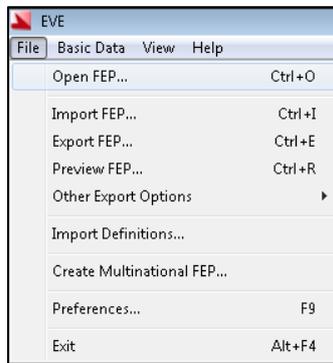1. Click **File** on the Main Menu then select **Open FEP** from the context menu.

<div align="center">**Figure 4**</div>

2. The Open FEP dialog will open.

3. Select the Plan for Operation or Exercise then select the MNDDP.
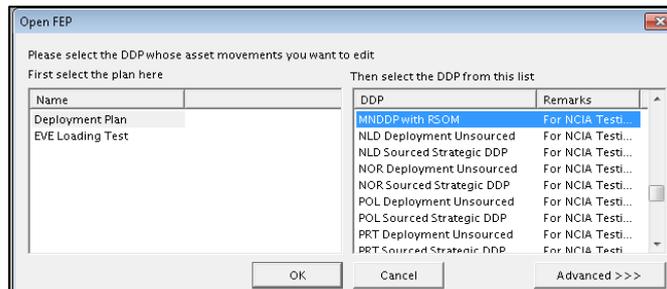

<div align="center">**Figure 5**</div>

4. Click on the **OK** button.

5. If this is the first time the DDP has been opened in EVE an "Initialize EVE Movements" dialog will open, selecting any of these will result in Passenger and Cargo requests being generated for Unsourced Movements Legs (UMLs). If this doesn't open then the DDP has already been initialised in EVE which means it has been opened previously.
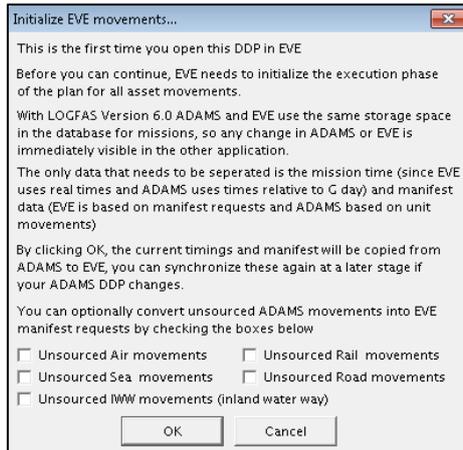
Figure 6

6. Requests can be generated by selecting the different MOTs Unsourced Movements. This will place an unsourced Passenger or Cargo Request that can be accessed in the Request View (RV) in EVE.

7. This action should be confirmed with the AMCC or Flow Coordination Centre acting on behalf of the AMCC, before any requests are generated.

8. To initialise the DDP click on the **OK** button.

Step 3. Export the FEP

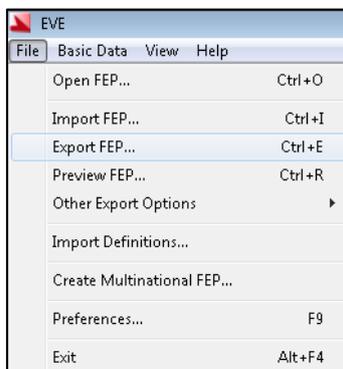1. Click **File** on the Main Menu then select **Export FEP** from the context menu.

Figure 7
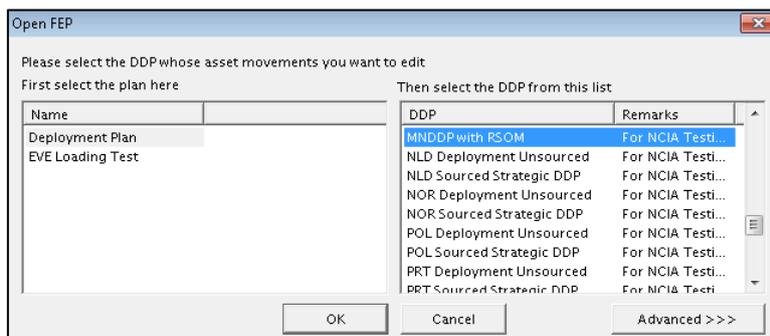
2. The Export FEP dialog will open.

Figure 8

3. Select a **Plan** and then select a corresponding FEP. Ensure that the Export Manifest of Missions is activated before the export begins.

4. Click on the **OK** button; the Save As Window will open.

5. Save the .eve file to an appropriate location and click on the **Save** button.

6. The export will begin, when the export is complete a dialog will open indicating if the export was successful. Click on the **OK** button.

7. Close EVE.

Step 4. Create a New Local Database

9. To create a new local database, perform the following steps :

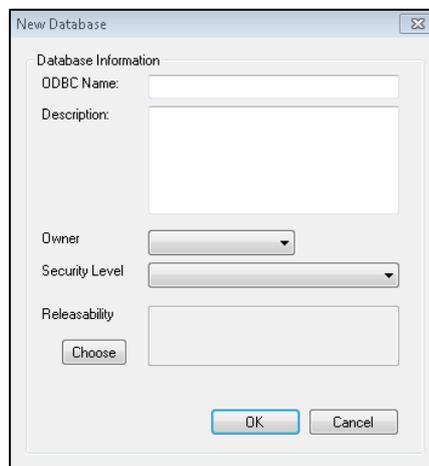10. Click the **New** button in the tool bar. The *'New Database'* window will appear.

Figure 9

11. Enter an ODBC Name for the new database and a Description. The ODBC Name should begin with "LOGFAS_" but the system will add it automatically if left off.

Figure 10

12. Select an Owner and a Security Level in the lists. The Security Level cannot be left blank.
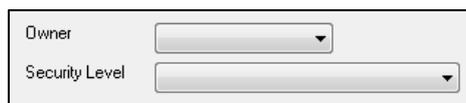
Figure 11

13. Click the **Choose** button if you need to specify one or several fields of releasability. Check / uncheck the desired codes then click the **OK** button to validate changes.

Figure 12

14. When all fields are complete, click the **OK** button to create the database.
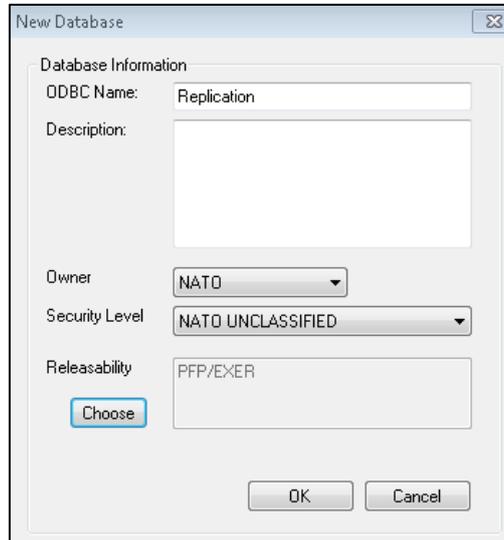

Figure 13

15. Building the database can take some time. A progress bar will appear at the bottom of the screen while the application is working.

16. When the process is complete, the new database will be listed in the main window.

Figure 14

17. Double-click on the newly created database name to set it active and ready for use (validated by the green mark ✓ in front of the name).

Figure 15

Step 5. Import the FEP

18. Open EVE.

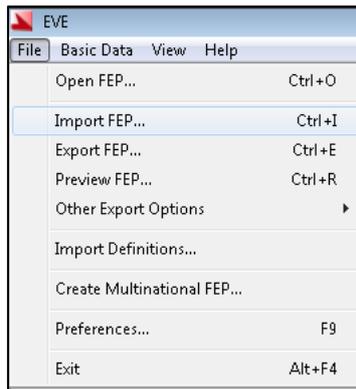19. Click **File** on the Main Menu then select **Import FEP** from the context menu.

Figure 16
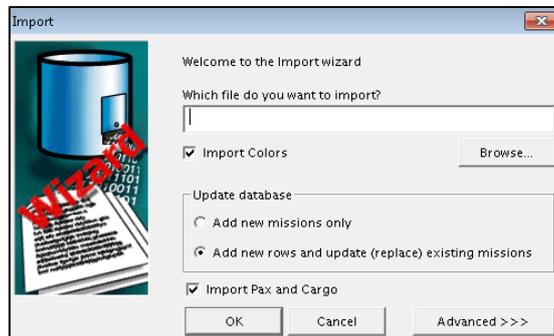
20. The Import dialog will open.

Figure 17

21. Click on the **Browse** button. The Open window will appear. Select the .eve file for the FEP to be imported and then click on the **Open** button.
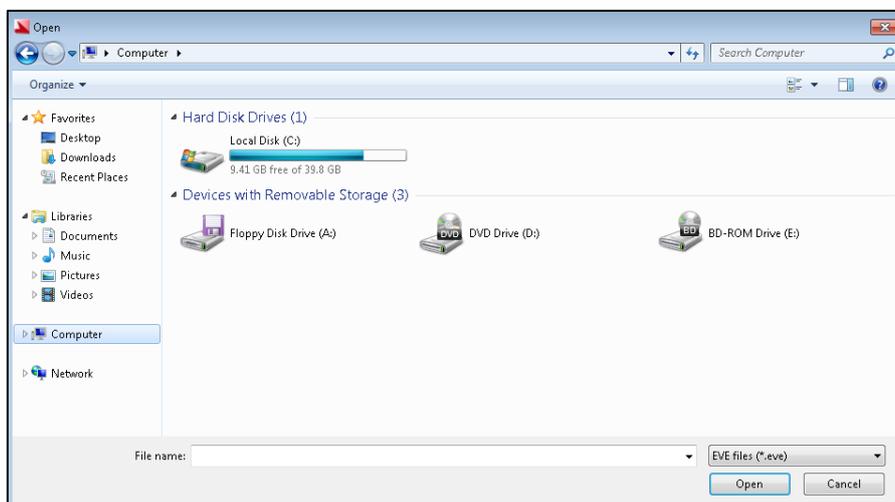

Figure 18

22. If you wish to keep the original Plan and the FEP name click on the **OK** button. If you want to change either the Plan or FEP name click on the **Advanced** button.

If you click on the Advanced button, three new functionalities will be available.
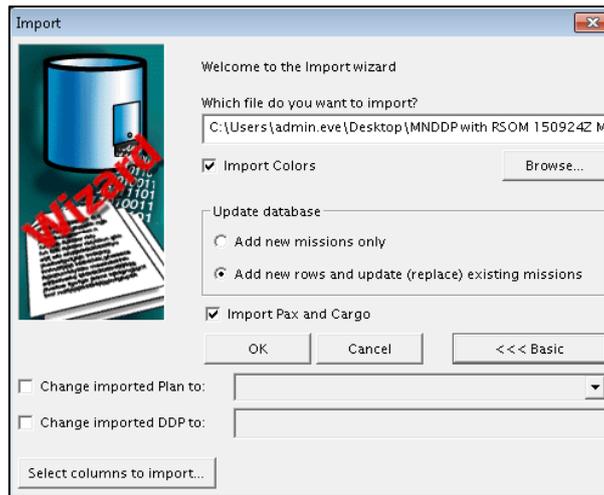
Figure 19

a. The first is "Change imported Plan to". Activating the check box will activate the Plan drop-down. Any available plans can be seen in the drop-down. If no other plans are available, then the plan must first be created in the Basic Data.

b. The second is "Change imported DDP to". Activating the check box will activate the field, this is a free text field. This should only be activated if the original name of the DDP/FEP is required to be changed i.e if this DDP/FEP already exists in the database.

c. The third is a button "Select columns to import". Clicking on this button will open the "please select the columns that you want to import" window. Here you can specify what columns from the FEP you want to import. It is recommended that all of these columns should be imported. Click on the **OK** button to close this window.

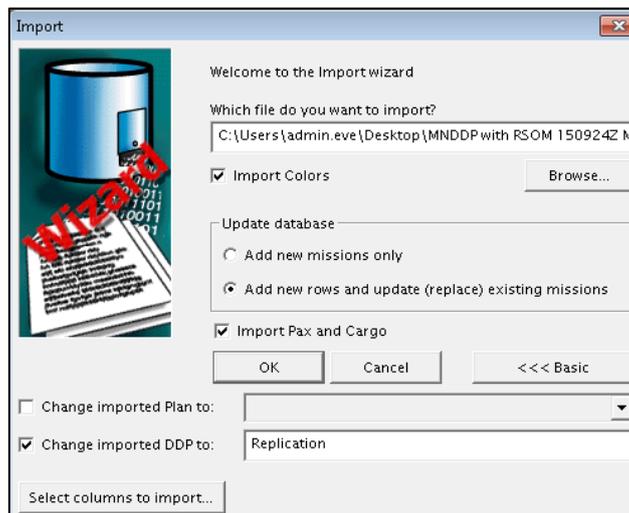23. Once the Plan has been selected and FEP name been chosen, click on the **OK** button.

Figure 20

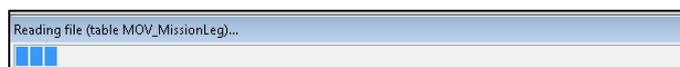24. The Import process will start and a progress bar will appear.

Figure 21

25. Depending on the size of the FEP this may take some time.

26. Once the import is complete a dialog will appear. It will confirm the number of missions that have been imported. Click on the **OK** button to close the dialog.

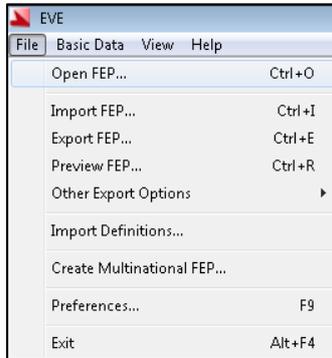27. Click **File** on the Main Menu then select **Open FEP** from the context menu.

Figure 22

28. The 'Open FEP' dialog will open. As this is a new database there should only be one Plan and one associated DDP/FEP available. This will be the one that has just been imported.
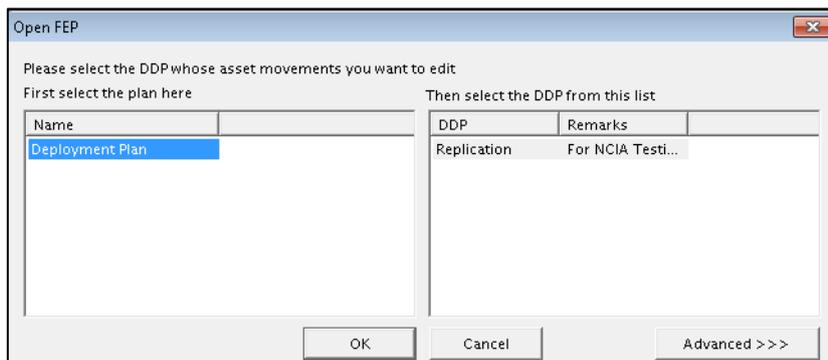

Figure 23

29. The database is now ready to setup as the baseline database on the Master and Slave's servers.